



**PERMIT CARD – PLEASE POST AT JOB SITE**  
 THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: **"NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies."** The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. **WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD.** PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

**Scope of Work:** MECHANICAL: one 4 ton change out no duct work  
**Comments:** None  
**Project Information**  
 Address: 5104 Duban Ave, Belle Isle, FL 32812  
 Parcel ID: 17-23-30-4384-02-680  
 Property Owner: Clingan, Thomas & Carrie  
 Phone Number: none  
 \*\*\*\*\*  
 Company Name: Carpenter's Cooling LLC  
 Contractor Name: Carpenter, Kevin  
 License Number: CAC1818573  
 Address: 3506 Raeford Rd, Orlando, FL 32806  
 Phone Number: 407 595 5946

**Permit Number: 2017-04-060**  
**Date of Application: 04/19/2017**  
**Date Permit Issued: 04/19/2017**

**WARNING TO OWNER:** "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.

**BUILDING FEATURES**

<b>IMPACT FEES</b>	
Traffic	\$
School	\$
<b>ZONING FEES</b>	
Zoning Fee	\$
<b>UNIVERSAL ENG - BUILDING FEES</b>	
Boat Dock	\$
Boat House	\$
Building	\$
Demo	\$
Door(s)	\$
Driveway	\$
Electrical	\$
Fence	\$
Gas	\$
Irrigation	\$
Low Voltage	\$
Mechanical	\$91.50
Plumbing	\$
Pool	\$
Roofing	\$
Screen Encl	\$
Shed	\$
Temp Pole	\$
Window(s)	\$
<b>SURCHARGE FEES</b>	
Surcharge Fee	\$2.00
Surcharge Fee	\$2.00
<b>TOTAL FEES \$95.50</b>	
<b>Date Paid</b>	4-19-17
<b>CC or Check #</b>	MC 502
<b>Amount Paid</b>	95.50

**BUILDING INSPECTOR USE ONLY**

**IF APPLICABLE:**  
 Have Zoning Approval Conditions Been Met? YES NO    Have Stormwater Approval Conditions Been Met? YES NO    Silt fencing in place? YES NO    Turbidity Barrier in place? YES NO

**BUILDING**

1<sup>st</sup> \_\_\_\_\_ (Footing/Foundation)  
 Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? \_\_\_\_

2<sup>nd</sup> \_\_\_\_\_ (Slab)

3<sup>rd</sup> \_\_\_\_\_ (Lintel)(Wall Reinforcing on Masonry Building)

4<sup>th</sup> \_\_\_\_\_ (Exterior Framing)(Roof/Wall Sheathing)

5<sup>th</sup> \_\_\_\_\_ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)

6<sup>th</sup> \_\_\_\_\_ (Insulation to be Made After Roof Installed)

7<sup>th</sup> \_\_\_\_\_ (Drywall)

8<sup>th</sup> \_\_\_\_\_ (Sidewalk/Driveway)

9<sup>th</sup> \_\_\_\_\_ (Other)

10<sup>th</sup> \_\_\_\_\_ (Final – After MEP and Other Applicable Finals)

**ROOFING**    **OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR**

1<sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing \_\_\_\_\_

2<sup>nd</sup> ROOFING Covering In-Progress \_\_\_\_\_

3<sup>rd</sup> ROOFING Covering Final \_\_\_\_\_

**PLUMBING** (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1<sup>ST</sup> \_\_\_\_\_ (Underground)    2<sup>nd</sup> \_\_\_\_\_ (Sewer)

3<sup>rd</sup> \_\_\_\_\_ (Rough-In/Tub Set)    4<sup>th</sup> \_\_\_\_\_ (Final)

**CHECK APPROPRIATE BOX**

**GAS** \_\_\_ Natural \_\_\_ LP     **MECHANICAL**     **ELECTRICAL**     **LOW VOLTAGE**

1<sup>st</sup> \_\_\_\_\_ (Rough-In)    2<sup>nd</sup> \_\_\_\_\_ (Final)

Inspection requests are to be emailed to [BDscheduling@UniversalEngineering.com](mailto:BDscheduling@UniversalEngineering.com); a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 4pm.** Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.



# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32809  
Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)

**RECEIVED**  
APR 19 2017

## APPLICATION FOR MECHANICAL PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: 04/18/17

PERMIT NUMBER 2017-04-060

PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below.

Project Address 5104 Duban Avenue 5104 Duban Ave Belle Isle FL 32809 32812  
Property Owner Thomas & Carrie Clingan Clingan, Thomas & Carrie Phone \_\_\_\_\_  
Property Owner's Mailing Address 5104 Duban Avenue City Belle Isle  
State FL Zip Code 32812 Parcel Id Number: 17-23-30-4384-02-680 17-23-30-4384-02-680

To obtain this information, please visit <http://www.ocpafl.org/Searches/ParcelSearch.aspx>

Class of Building: Old  New  Type of Building: Residential  Commercial  Other   
Type of Work: New  Alteration  Addition  Repair

- REQUIRED: Tie Down Engineering**
- REQUIRED: if adding A/C to new space, provide Energy Calculations & Equipment Sizing Calculations**
- REQUIRED: if replacing unit with no duct work, Duct Certification as per FB 101.4.7.1, must be posted on unit**

Please indicate the nature of work by completing the information below:

**Air Conditioning:** # of Units 01 Tons Per Unit 4 Total Tons 4  
Type of System: Water to Air \_\_\_\_\_ Chiller \_\_\_\_\_ Split System  Package \_\_\_\_\_ Heat Pump  Estimated Cost \$ 5300.00

**Heating:** # of Units KWS Per Unit 10 KWS Total KWS 10 BTU's \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_  
Oil \_\_\_\_\_ Electric  Boiler \_\_\_\_\_ Gas \_\_\_\_\_  
(A) Estimated Cost Fee \$ \_\_\_\_\_

Fees for items below are based on valuation of all units, equipment, materials and labor supplied by owner or contractor.

**Ventilation:**  
(Number of) Grease \_\_\_\_\_ Heat \_\_\_\_\_ Hoods, Air Intakes \_\_\_\_\_ Exhaust Fans \_\_\_\_\_ Dryer Vents \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

**Refrigeration:** Number of units \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

**Piping:** Air \_\_\_\_\_ Vacuum \_\_\_\_\_ Steam \_\_\_\_\_ Chill Water \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

Others: (Specify) HVAC Equipment change out only, NO DUCTWORK Estimated Cost \$ \_\_\_\_\_

Was the space previously Air Conditioned? Yes  No \_\_\_\_\_ (B) Estimated Cost Fee \$ \_\_\_\_\_

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances.

LICENSE HOLDER SIGNATURE [Signature] LICENSE # CAC1818573

LICENSE HOLDER NAME Kevin W. Carpenter COMPANY NAME Carpenters Cooling, LLC

Street Address 3506 Raeford Road Carpenters Cooling LLC

City Orlando State FL Zip Code 32806 Phone Number 407-595-5946

Email Address carpenterscooling@gmail.com 407 595 5946

Building Official: [Signature] Date 4-19-17  
Verified Contractor's Licenses & Insurance are on file [Signature] Date 4-19-17

Permit Fee	\$	<u>61</u>
Review Fee	\$	<u>30.50</u>
3% Florida Surcharge	\$	<u>4</u>
Total Permit Fee	\$	<u>95.50</u>

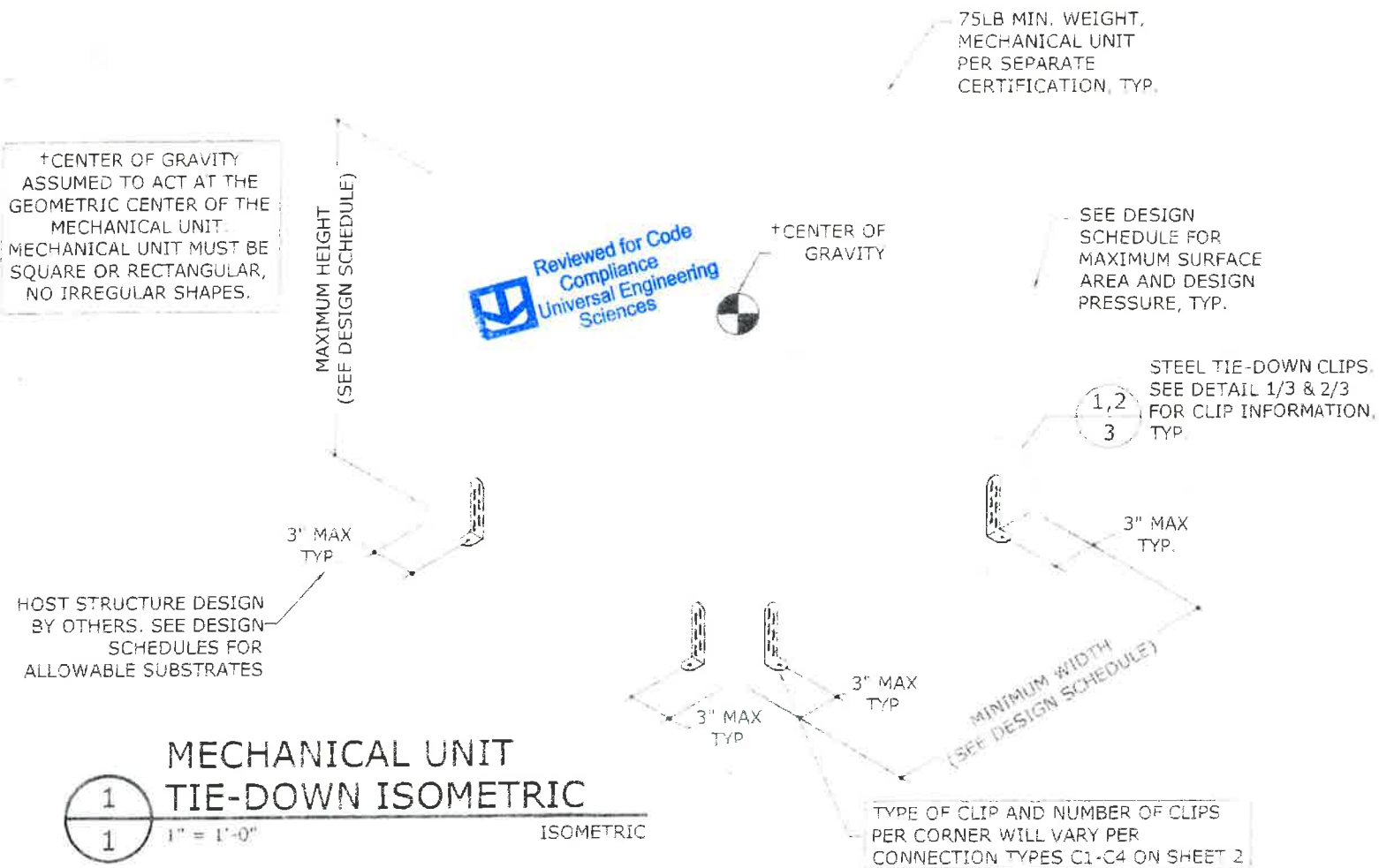
NOTE: The Building Permit Number is required if the Mechanical Installation is associated with any construction or alteration where a Building Permit has been issued. Building Permit Number \_\_\_\_\_

base 37  
6x4 24  
61 ÷ 2  
30.50  
91.50



# BMP INTERNATIONAL, INC.

## MECHANICAL UNIT STEEL TIE-DOWN CLIP: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS



### TIE-DOWN CLIP DIRECTIVE EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE ROOF-TOP INSTALLATION HEIGHT, H, FOR ANY GIVEN MECHANICAL UNIT THAT CONFORMS TO THE DIMENSION RESTRICTIONS AND DESIGN CRITERIA LISTED HEREIN. SEE SHEETS 4-5 FOR DESIGN SCHEDULES.)

#### MECHANICAL UNIT CRITERIA

CONSIDER THE INSTALLATION OF (1) MECHANICAL UNIT WITH THE FOLLOWING CRITERIA=

- V<sub>w</sub>=170 MPH, EXPOSURE 'B'
- 48" TALL x 48" DEEP x 48" WIDE, 100 LB (WEIGHT AS VERIFIED BY OTHERS)
- INSTALLED TO 3000 PSI MIN CONCRETE WITH (1)-2" CLIP AT EACH CORNER OF UNIT (TOTAL OF (4) CLIPS)

#### PROCEDURE:

PROCEDURE STEP	RESULT
1 DETERMINE THE CONNECTION TYPE BASED ON THE DIAGRAMS ON SHEET 2	CONNECTION TYPE 3
2 DETERMINE WHICH DESIGN SCHEDULE TABLE TO USE	THIS INSTALLATION IS INTENDED FOR A V <sub>w</sub> =170 MPH, EXPOSURE 'B'. THIS DESIGN CRITERIA CORRESPONDS TO TABLE 5
3 DETERMINE LARGEST FACE AREA OF MECHANICAL UNIT TO BE INSTALLED	48"x48"=16FT <sup>2</sup>
4 CHECK MAXIMUM UNIT HEIGHT RESTRICTION	THIS UNIT HEIGHT OF 48" IS EQUAL TO THE MAXIMUM ALLOWABLE HEIGHT OF 48". <b>NOTE: THIS PRODUCT APPROVAL ALLOWS THE UNIT TO BE INSTALLED ON TOP OF AN A/C STAND THAT IS A MAXIMUM 30" TALL. IF AN A/C STAND IS UTILIZED, CHECK TO SEE THAT THE STAND DOES NOT EXCEED 30" IN HEIGHT.</b>
5 CHECK MINIMUM UNIT WIDTH RESTRICTION	UNIT WIDTH IS 48" WHICH IS GREATER THAN THE MINIMUM ALLOWABLE WIDTH OF 24"
6 DETERMINE THE ALLOWABLE ROOF-TOP HEIGHT OF THE INSTALLATION	THIS UNIT MAY BE INSTALLED AT ROOF HEIGHTS LESS THAN OR EQUAL TO 15 FT. ADDITIONALLY, THIS UNIT MAY BE INSTALLED ON ROOF-TOP HEIGHTS GREATER THAN 60FT AND LESS THAN 100 FT. SEE (*) ON TABLE 5 FOR THE NUMERICAL VALUES OF THIS DESIGN EXAMPLE

### DESIGN NOTES:

THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE 7-10 AND THE FLORIDA BUILDING CODE FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE INDICATED IN THE ACCOMPANYING DESIGN SCHEDULES. THE DESIGN CRITERIA USED TO CALCULATE THE ALLOWABLE ROOF-TOP HEIGHTS CONSIDERS ASCE 7-10 SECTION 29.5.1 FOR ROOF TOP HEIGHTS (H) ≤60 FT AND SECTION 29.5 FOR ROOF TOP HEIGHTS (H)>60 FT & SECTION 29.4.1 FOR INSTALLATIONS AT GRADE. (G<sub>C</sub>)<sub>Lateral</sub>=3.10 WITHIN THE HVHZ, (G<sub>C</sub>)<sub>Lateral</sub>=1.90 OUTSIDE THE HVHZ, (G<sub>C</sub>)<sub>Uplift</sub>=1.5 FOR ALL LOCATIONS (CONCURRENT). ALL OTHER DESIGN VARIABLES ARE IN ACCORDANCE WITH ASCE 7-10 CHAPTERS 26 & 29. THE HEIGHTS LISTED IN THE DESIGN SCHEDULES REPRESENT THE ALLOWABLE HEIGHT OF THE BUILDING. THIS PRODUCT APPROVAL ALLOWS FOR EACH UNIT TO BE INSTALLED ON A MAXIMUM 30" TALL A/C STAND (CERTIFICATION BY OTHERS) ON TOP OF THE HEIGHTS LISTED IN THE DESIGN SCHEDULES.

### GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & ASCE 7-10. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
3. DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01970387A, #TEL 01970387B BY TESTING EVALUATION LABORATORIES, INC.. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
4. MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
5. FASTENERS TO BE #12 X 3/4" OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. TAPCONS REFERRED TO HEREIN SHALL BE ITW BUILDDEX BRAND, CARBON STEEL ONLY, INSTALLED TO 3000 PSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
6. ALL STEEL CLIPS SHALL BE ASTM A283 STEEL (GRADE D) WITH F<sub>y</sub>=33 KSI OR BETTER. ALL STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION. G90-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
7. ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, UNLESS NOTED OTHERWISE.
8. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
9. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
10. THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
11. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
12. WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
13. FOR AN EXPLANATION OF EXPOSURE CATEGORIES THAT ACCOMPANY THE V<sub>w</sub> WIND SPEEDS USED IN THIS APPROVAL, SEE SECTION 26.7.3 OF ASCE 7-10.

FRANK L. BENNARDO, P.E.  
#PE00000000

04/17/2015

FRANK L. BENNARDO, P.E.  
#PE00000000

ENGINEERING EXPRESS  
160 SW 12th Avenue, Suite 106  
Deerfield Beach, FL 33442  
Ph: (954) 354-0660 Fax: (954) 354-0443  
WWW.ENGINEERINGEXPRESS.COM  
CERT. OF AUTH. #000000000000

**BMP INTERNATIONAL, INC.**  
4710 28TH STREET NORTH  
ST. PETERSBURG, FL 33471  
PH: (727) 577-1613

MECHANICAL UNIT STEEL TIE-DOWN CLIPS

FBC 5TH EDITION (2014) PRODUCT APPROVAL FL#14239.1

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (11-BMP-0001)	TSB	FLB	12-11-11
REV FOR UNITS	CSL	TSB	02-15-13
REV FOR FBC 5TH (2014)	RWN	CSL	04-06-15

THE DOCUMENT IS THE PROPERTY OF FRANK L. BENNARDO, P.E. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF FRANK L. BENNARDO, P.E. ALL RIGHTS RESERVED. THIS DOCUMENT HAS NOT BEEN REVIEWED AND APPROVED FOR THE PROJECT.

COPYRIGHT FRANK L. BENNARDO P.E.

15-2378

SCALE: NTS

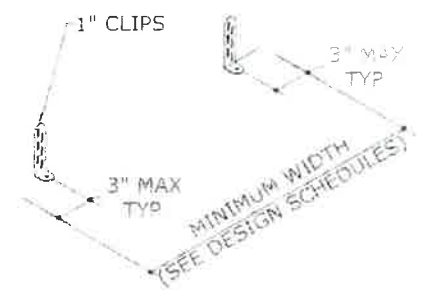
PAGE DESCRIPTION:

1 of 5



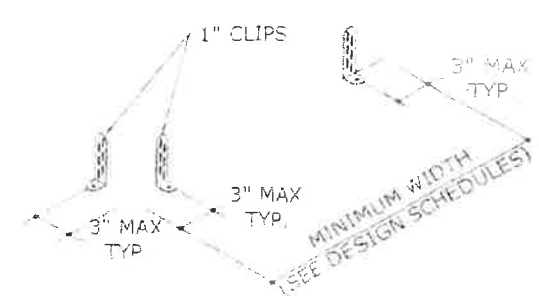
Reviewed for Code Compliance  
Universal Engineering Sciences

MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)



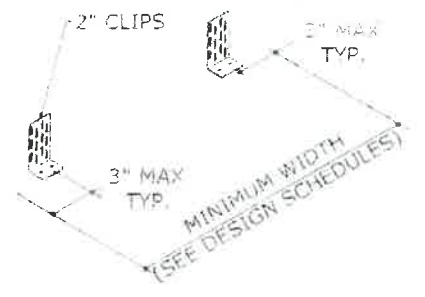
**C1 CONNECTION TYPE C1**  
1" CLIP - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF (4) PER UNIT

MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)



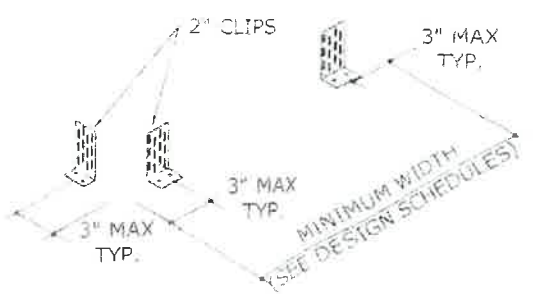
**C2 CONNECTION TYPE C2**  
1" CLIP - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF (8) PER UNIT

MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)



**C3 CONNECTION TYPE C3**  
2" CLIPS - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF (4) PER UNIT

MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)

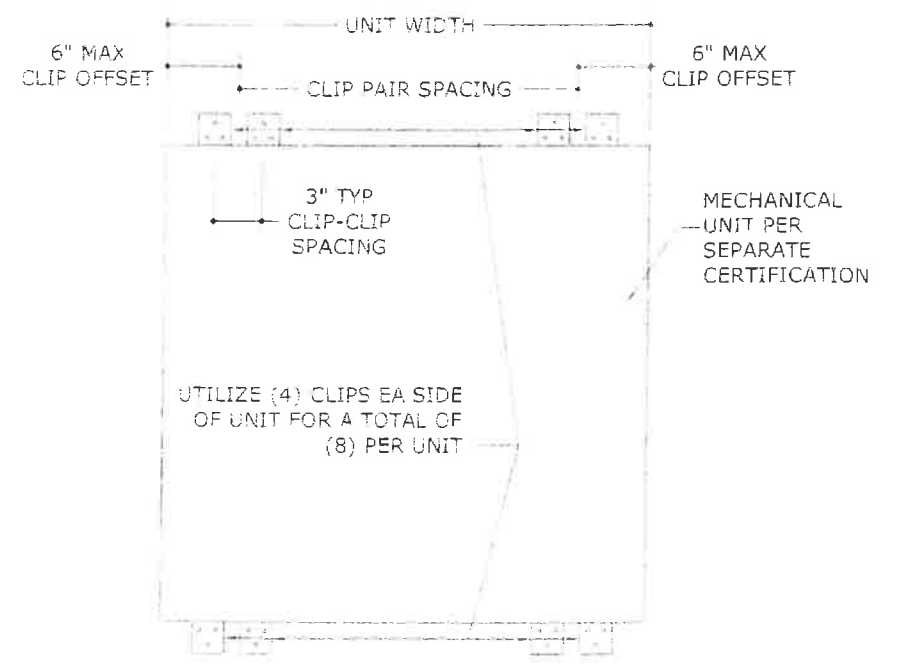


**C4 CONNECTION TYPE C4**  
2" CLIPS - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF (8) PER UNIT

**ANCHOR SCHEDULE:**  
1" CLIPS          2" CLIPS

SUBSTRATE	DESCRIPTION	SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-5/16" Ø CARBON STEEL ITW BUILDEX TAPCON, 2 1/2" FULL EMBED TO CONCRETE, 3/8" MIN EDGE DISTANCE, 3/4" MIN SPACING TO ANY ADJACENT ANCHOR.	CONCRETE: (4" THICK MIN, 3000 PSI MIN.)	(1)-5/16" Ø CARBON STEEL ITW BUILDEX TAPCON, 2 1/2" FULL EMBED TO CONCRETE, 3/8" MIN EDGE DISTANCE, 3/4" MIN SPACING TO ANY ADJACENT ANCHOR.
ALUMINUM: (0.125" MIN THICK, 6061-T6 MIN. ALUMINUM)	(1)-#14 SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PITCHES MIN. PAST THREAD PLANE	ALUMINUM: (0.125" MIN THICK, 6061-T6 MIN. ALUMINUM)	(2)-#14 SAE GRADE 5 SHEET METAL SCREWS TO ALUMINUM, PROVIDE (5) PITCHES MIN. PAST THREAD PLANE
STEEL: (0.125" MIN. THICK, 33 KSI MIN. STEEL)	(1)-#14 SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (5) PITCHES MIN. PAST THREAD PLANE	STEEL: (0.125" MIN. THICK, 33 KSI MIN. STEEL)	(2)-#14 SAE GRADE 5 SHEET METAL SCREWS TO STEEL, PROVIDE (5) PITCHES MIN. PAST THREAD PLANE

1. EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
2. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.
3. SEE DETAILS ON SHEET 3 FOR ANCHORS ATTACHING TO MECHANICAL UNIT



**5 ALTERNATE (8) CLIP DETAIL**  
N.T.S.          PLAN VIEW

THIS DETAIL MAY BE USED AS AN ALTERNATE GEOMETRIC PATTERN FOR ALL CONNECTION TYPES THAT UTILIZE (2) CLIPS AT EACH CORNER FOR A TOTAL OF (8) CLIPS PER UNIT.

FRANK L. BENNARDO P.E.  
  
**EX ENGINEERING**  
**EXPRESSIONS**  
 160 SW 12th Avenue, Suite 100  
 Deerfield Beach, FL 33442  
 Ph: (954) 354-0660 Fax: (954) 354-0442  
 WWW.ENGINEERINGEXPRESS.COM  
 CERT. OF AUTH. #19632  
 A FRANK L. BENNARDO, P.E., INC. (MICHIGAN)

**BMP INTERNATIONAL, INC.**  
 4710 28TH STREET NORTH  
 ST. PETERSBURG, FL 33471  
 PH: (727) 577-1613  
 MECHANICAL UNIT STEEL TIE-DOWN CLIPS  
 FBC 5TH EDITION (2014) PRODUCT APPROVAL FL#14239.1

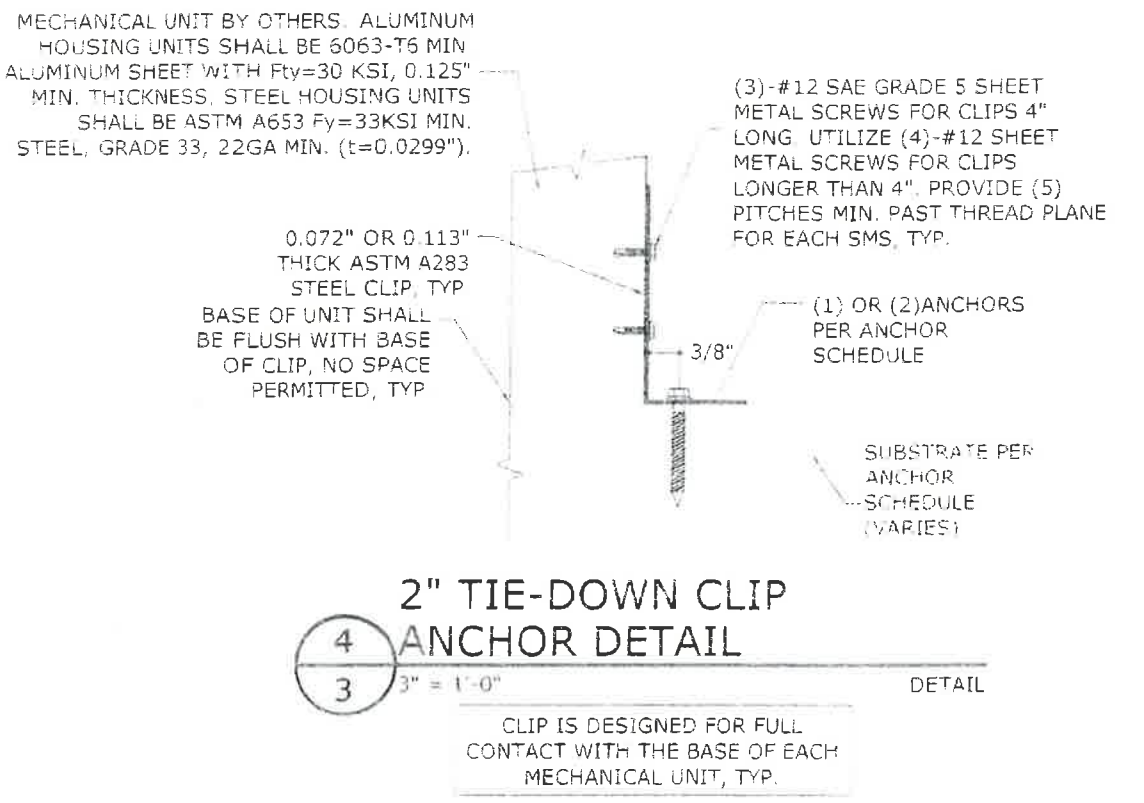
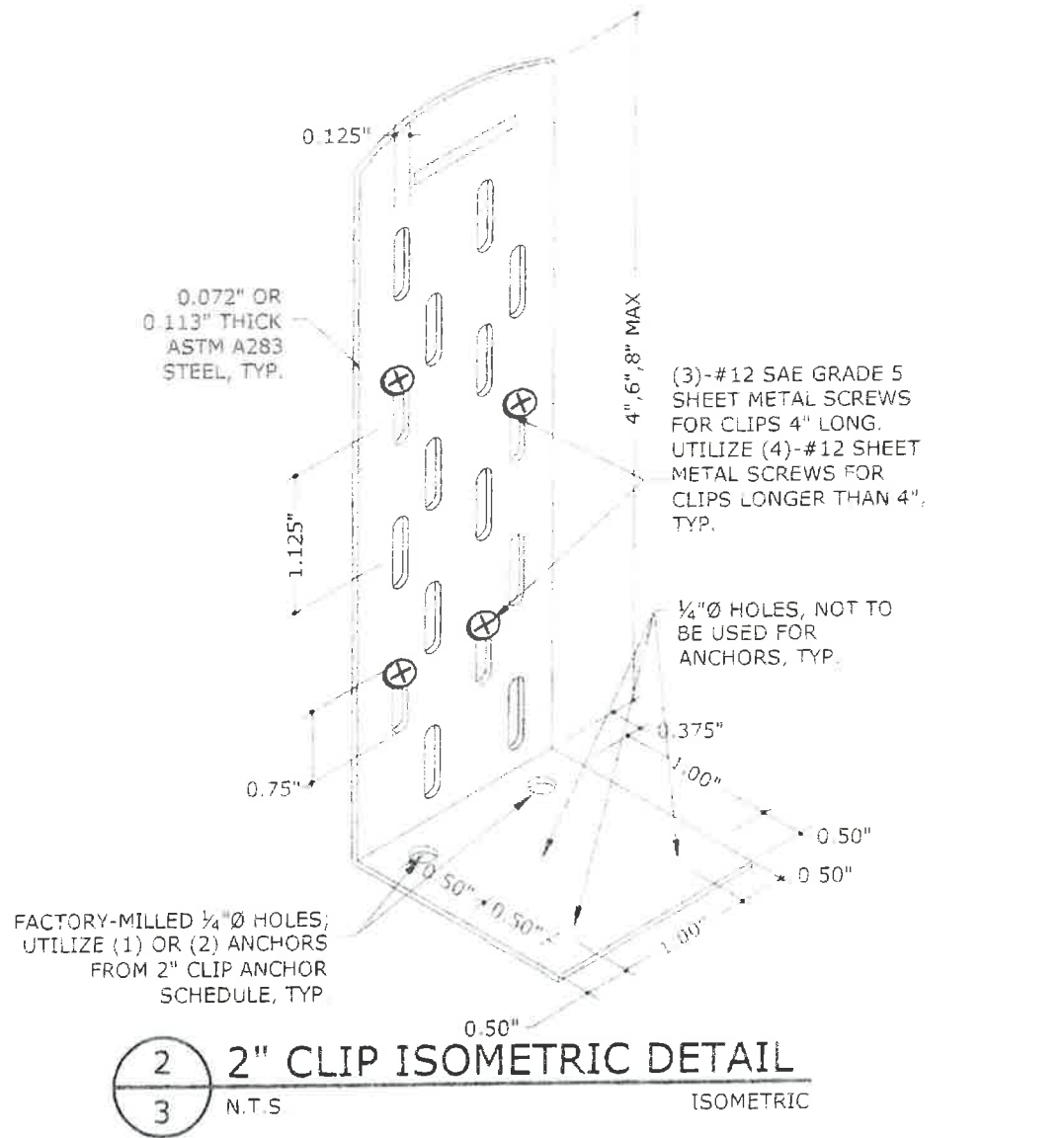
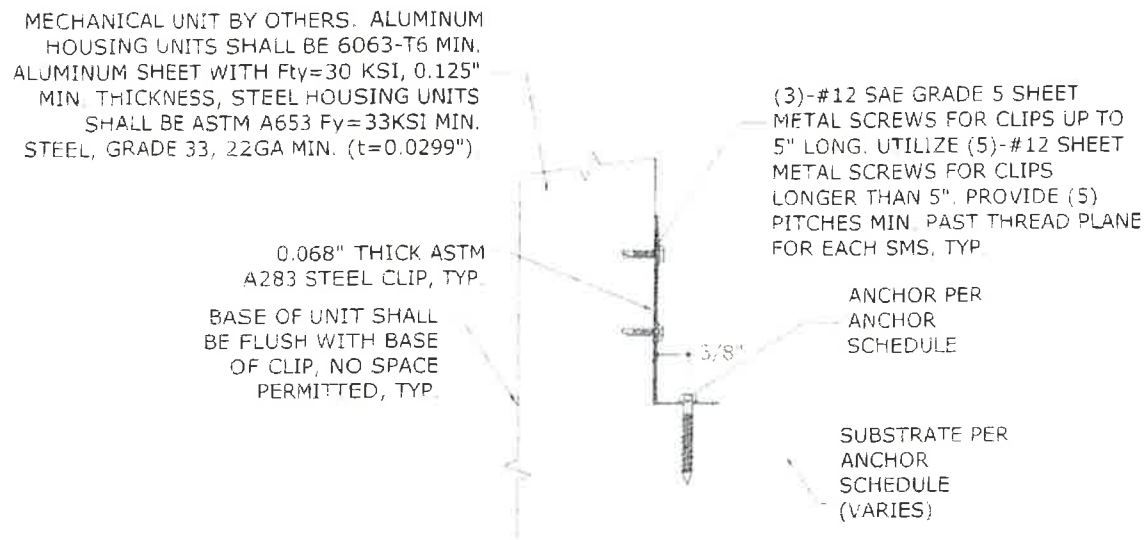
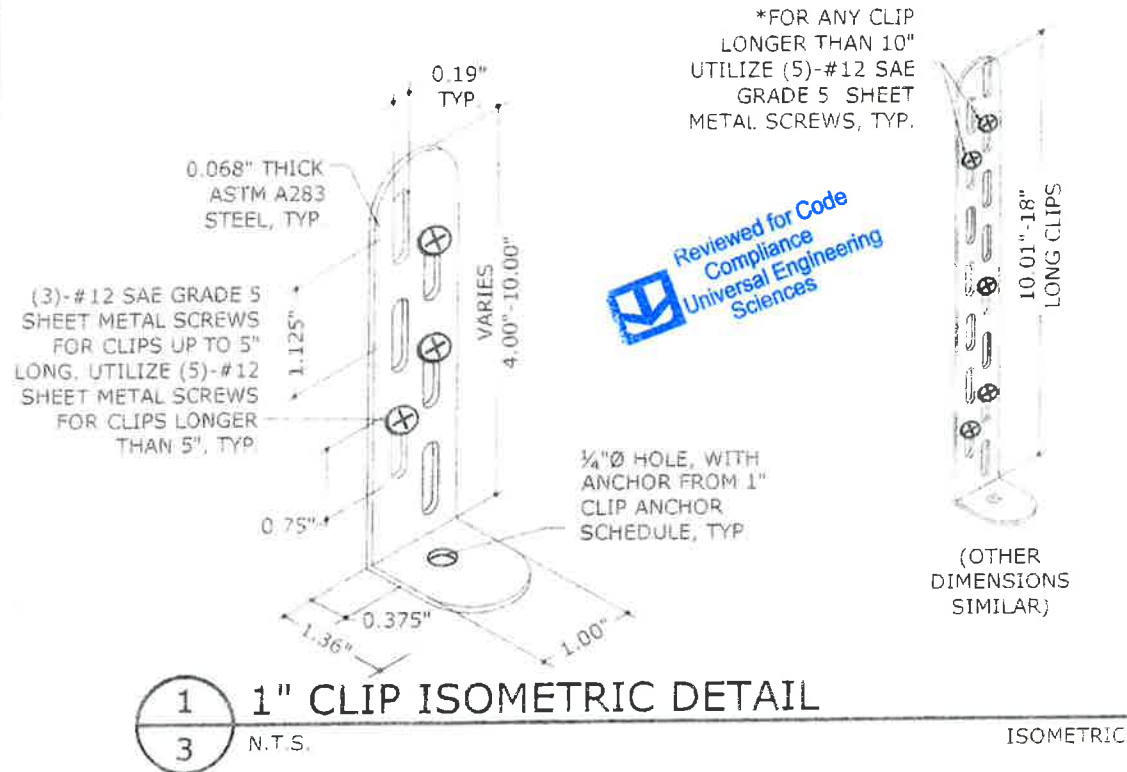
REMARKS	DRWN/CHKD	DATE
INIT ISSUE (11-BMP-0001)	FLB	12-11-11
REV FOR UNITS	TSB	02-15-13
REV FOR FBC 5TH (2014)	CSL	04-06-15

THIS DOCUMENT IS THE PROPERTY OF FRANK L. BENNARDO, P.E. AND SHALL NOT BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN CONSENT OF FRANK L. BENNARDO, P.E. UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT MAY BE PROSECUTED AND WILL BE SUBJECT TO CIVIL AND CRIMINAL PENALTIES.

COPYRIGHT FRANK L. BENNARDO P.E.

15-2378  
 SCALE: N.T.S.  
 PAGE DESCRIPTION:

Update FL14239 for 2014 Florida Bldg. Code, C-Project dwg



FRANK L. BENNARDO, P.E.

04/13/2014

46549

ENGINEERING EXPRESS

160 SW 12th Avenue, #106  
Deerfield Beach, FL 33442  
Ph: (954) 354-0660 Fax: (954) 354-0443  
WWW.ENGINEERINGEXPRESS.COM

CERT. OF AUTH. #9885  
A FRANK L. BENNARDO, P.E., INC. INNOVATION

**BMP INTERNATIONAL, INC.**

4710 28TH STREET NORTH  
ST. PETERSBURG, FL 33471  
PH: (727) 577-1613

MECHANICAL UNIT STEEL TIE-DOWN CLIPS

FBC 5TH EDITION (2014) PRODUCT APPROVAL FL#14239.1

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (11-BMP-0001)	TSB	FLB	12-11-11
REV FOR UNITS	CSL	TSB	02-15-13
REV FOR FBC 5TH (2014)	RWN	CSL	04-06-15

THIS DOCUMENT IS THE PROPERTY OF FRANK L. BENNARDO, P.E. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF FRANK L. BENNARDO, P.E. - ALL ALTERATIONS, ADDITIONS, DELETIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND WILL BE EVALUATED AS CORRUPTION.

COPYRIGHT FRANK L. BENNARDO P.E.

**15-2378**

SCALE: N.T.S.

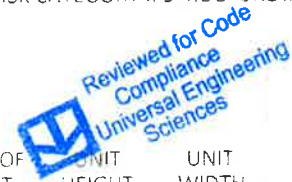
PAGE DESCRIPTION:

3



**TABLE 1: Vult=175 MPH, EXPOSURE C**

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE\*)



MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	N/A	AT GRADE	AT GRADE	H ≤ 60 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	AT GRADE	H ≤ 200 FT	H ≤ 30 FT	H ≤ 200 FT
6 FT <sup>2</sup>			AT GRADE	H ≤ 40 FT	AT GRADE	H ≤ 200 FT
9 FT <sup>2</sup>	48" MAX	24" MIN	N/A	AT GRADE	AT GRADE	H ≤ 160 FT
12 FT <sup>2</sup>			N/A	AT GRADE	AT GRADE	H ≤ 40 FT
16 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE	N/A	AT GRADE
20 FT <sup>2</sup>			N/A	AT GRADE	N/A	AT GRADE
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE	N/A	AT GRADE
30 FT <sup>2</sup>			N/A	N/A	N/A	AT GRADE
36 FT <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	AT GRADE

\*THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HVHZ WHICH CONTAINS BROWARD AND MIAMI-DADE COUNTIES. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

**TABLE 2 : Vult=175 MPH, EXPOSURE D**

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE\*)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	N/A	AT GRADE	N/A	H ≤ 30 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>			N/A	H ≤ 15 FT	AT GRADE	H ≤ 200 FT
9 FT <sup>2</sup>	48" MAX	24" MIN	N/A	AT GRADE	AT GRADE	H ≤ 80 FT
12 FT <sup>2</sup>			N/A	AT GRADE	N/A	AT GRADE
16 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE	N/A	AT GRADE
20 FT <sup>2</sup>			N/A	AT GRADE	N/A	AT GRADE
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	N/A	N/A	AT GRADE
30 FT <sup>2</sup>			N/A	N/A	N/A	AT GRADE
36 FT <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	AT GRADE

\*THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HVHZ WHICH CONTAINS BROWARD AND MIAMI-DADE COUNTIES. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

**TABLE 3 : Vult=170 MPH, EXPOSURE C**

(FOR USE WITH A RISK CATEGORY II STRUCTURE\*)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 160 FT	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	AT GRADE 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT <sup>2</sup>			AT GRADE	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>	48" MAX	24" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT
12 FT <sup>2</sup>			N/A	AT GRADE 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT
16 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE	N/A	H ≤ 200 FT
20 FT <sup>2</sup>			N/A	AT GRADE	N/A	H ≤ 200 FT
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	N/A	N/A	H ≤ 30 FT 60 FT < H ≤ 200 FT
30 FT <sup>2</sup>			N/A	N/A	N/A	AT GRADE 60 FT < H ≤ 180 FT
36 FT <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	AT GRADE

\*AS AN EXAMPLE, THIS TABLE IS PERMISSIBLE TO BE USED WITHIN PALM BEACH COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

**TABLE 4 : Vult=170 MPH, EXPOSURE D**

(FOR USE WITH A RISK CATEGORY II STRUCTURE\*)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	N/A	AT GRADE 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	AT GRADE 60 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT <sup>2</sup>			N/A	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>	48" MAX	24" MIN	N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
12 FT <sup>2</sup>			N/A	AT GRADE 60 FT < H ≤ 120 FT	N/A	H ≤ 200 FT
16 FT <sup>2</sup>	60" MAX	48" MIN	N/A	N/A	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT
20 FT <sup>2</sup>			N/A	AT GRADE	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	N/A	N/A	AT GRADE 60 FT < H ≤ 200 FT
30 FT <sup>2</sup>			N/A	N/A	N/A	AT GRADE 60 FT < H ≤ 100 FT
36 FT <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	AT GRADE

\*AS AN EXAMPLE, THIS TABLE IS PERMISSIBLE TO BE USED WITHIN PALM BEACH COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

FRANK L. BENNARDO, P.E.  
 PROFESSIONAL ENGINEER  
 No. 46549  
 EX ENGINEERING EXPRESS  
 160 SW 12th Avenue, #106  
 DEERFIELD BEACH, FL 33442  
 Ph: (954) 354-0660 Fax: (954) 354-0443  
 WWW.ENGP.ORG  
 CERT. OF AUTH. #9865  
 A FRANK L. BENNARDO, P.E., INC. INNOVATION

**BMP INTERNATIONAL, INC.**  
 4710 28TH STREET NORTH  
 ST. PETERSBURG, FL 33471  
 PH: (727) 577-1613

DRWN	CHKD	DATE
TSB	FLB	12-11-11
CSL	TSB	02-15-13
RWN	CSL	04-06-15

COPYRIGHT FRANK L. BENNARDO P.E.

15-2378  
 SCALE: N T S  
 PAGE DESCRIPTION:

**TABLE 5 : Vult=140 MPH, EXPOSURE B**

(FOR USE WITH A RISK CATEGORY II STRUCTURE\*)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C2	C3	C4	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	H ≤ 15 FT 60 FT < H ≤ 120 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT <sup>2</sup>			H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>			AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
12 FT <sup>2</sup>			AT GRADE	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
16 FT <sup>2</sup>			N/A	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 100 FT	H ≤ 200 FT
20 FT <sup>2</sup>			N/A	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 180 FT	H ≤ 200 FT
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT
30 FT <sup>2</sup>			N/A	H ≤ 15 FT 60 FT < H ≤ 160 FT	AT GRADE	H ≤ 200 FT
36 FT <sup>2</sup>			N/A	AT GRADE 60 FT < H ≤ 80 FT	AT GRADE	H ≤ 200 FT



**TABLE 6 : Vult=140 MPH, EXPOSURE C**

(FOR USE WITH A RISK CATEGORY II STRUCTURE\*)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	N/A	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT <sup>2</sup>			AT GRADE 60 FT < H ≤ 180 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>			AT GRADE	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
12 FT <sup>2</sup>			N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 140 FT	H ≤ 200 FT
16 FT <sup>2</sup>			N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
20 FT <sup>2</sup>			N/A	H ≤ 30 FT 60 FT < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE 60 FT < H ≤ 140 FT	AT GRADE	H ≤ 200 FT
30 FT <sup>2</sup>			N/A	AT GRADE	N/A	H ≤ 200 FT
36 FT <sup>2</sup>			N/A	AT GRADE	N/A	H ≤ 30 FT 60 FT < H ≤ 200 FT

**TABLE 7 : Vult=140 MPH, EXPOSURE D**

(FOR USE WITH A RISK CATEGORY II STRUCTURE\*)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24" MAX	12" MIN	N/A	H ≤ 200 FT	H ≤ 30 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>	32" MAX	15" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 140 FT	H ≤ 200 FT
4 FT <sup>2</sup>	48" MAX	24" MIN	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT <sup>2</sup>			AT GRADE 60 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT <sup>2</sup>			N/A	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
12 FT <sup>2</sup>			N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT
16 FT <sup>2</sup>			N/A	AT GRADE 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT
20 FT <sup>2</sup>			N/A	AT GRADE 60 FT < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
25 FT <sup>2</sup>	60" MAX	48" MIN	N/A	AT GRADE 60 FT < H ≤ 80 FT	N/A	H ≤ 200 FT
30 FT <sup>2</sup>			N/A	N/A	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT
36 FT <sup>2</sup>			N/A	N/A	N/A	AT GRADE 60 FT < H ≤ 200 FT

\*AS AN EXAMPLE, THESE TABLES ARE PERMISSIBLE TO BE USED WITHIN BREVARD COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

FRANK L. BENNARDO P.E.  
 04/11/2015  
 No. 46540  
 ENGINEERING EXPRESS  
 160 SW 12th AVENUE, #106  
 DEERFIELD BEACH, FL 33442  
 PH: (954) 354-0660 FAX: (954) 354-0443  
 WWW.ENGINEERINGEXPRESS.COM  
 CERT. OF AUTH. #BES-100000001  
 A FRANK L. BENNARDO, P.E., INC. INNOVATION

**BMP INTERNATIONAL, INC.**  
 4710 28TH STREET NORTH  
 ST. PETERSBURG, FL 33471  
 PH: (727) 577-1613

MECHANICAL UNIT STEEL TIE-DOWN CLIPS

FBC 5TH EDITION (2014) PRODUCT APPROVAL FL#14239.1

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (14-BMP-0001)	TSB	FLB	12-11-11
REV FOR UNITS	CSL	TSB	02-15-13
REV FOR FBC 5TH (2014)	RWN	CSL	04-08-15

COPYRIGHT FRANK L. BENNARDO P.E.

15-2378

SCALE: N.T.S.

PAGE DESCRIPTION:



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
04/06/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER  MARVEL QUEVEDO INSURANCE, LLC 5062 SOUTH CONWAY ROAD ORLANDO, FL 32812	CONTACT NAME: MARVEL QUEVEDO	
	PHONE (A/C, No, Ext): 407-737-7778	FAX (A/C, No): 407-737-7779
	E-MAIL ADDRESS: marvel.Q@allstate.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : SCOTTSDALE INSURANCE CO	41297
INSURED  CARPENTER'S COOLING LLC - c/o KEVIN CARPENTER 3506 RAEFORD RD ORLANDO, FL 32806	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY		CPS2569326	10/28/2016	10/28/2017	EACH OCCURRENCE \$ 500,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5,000
						PERSONAL & ADV INJURY \$ 500,000
						GENERAL AGGREGATE \$ 1,000,000
						PRODUCTS - COMP/OP AGG \$ 500,000
						\$
	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident) \$
						\$
	UMBRELLA LIAB	<input type="checkbox"/> OCCUR				EACH OCCURRENCE \$
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				AGGREGATE \$
						\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					WC STATUTORY LIMITS
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y/N	N/A			OTHER
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

HVAC WORK

**CERTIFICATE HOLDER** **CANCELLATION**

City of Belle Isle 1600 Nela Avenue Belle Isle, FL 32809	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Marvel Quevedo AOA6037</i>



PLEASE CUT OUT CARD BELOW AND RETAIN FOR FUTURE REFERENCE

**STATE OF FLORIDA  
DEPARTMENT OF FINANCIAL SERVICES  
DIVISION OF WORKERS' COMPENSATION  
CONSTRUCTION INDUSTRY EXEMPTION**



CERTIFICATE OF ELECTION TO BE EXEMPT FROM FLORIDA  
WORKERS' COMPENSATION LAW

EFFECTIVE DATE: 3/3/2016                      EXPIRATION DATE: 3/3/2018

PERSON: CARPENTER                      KEVIN

FEIN: 811618203

**BUSINESS NAME AND ADDRESS:  
CARPENTER'S COOLING LLC**

**4625 LONGWORTH DR  
ORLANDO                      FL                      32812**

SCOPES OF BUSINESS OR TRA

F  
O  
L  
D  
  
H  
E  
R  
E

**IMPORTANT**

Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

Pursuant to Chapter 440.05(12), F.S., Certificates of election to be exempt.. apply only within the scope of the business or trade listed on the notice of election to be exempt.

Pursuant to Chapter 440.05(13), F.S., Notices of election to be exempt and certificates of election to be exempt shall be subject to revocation if, at any time after the filing of the notice or the issuance of the certificate, the person named on the notice or certificate no longer meets the requirements of this section for issuance of a certificate. The department shall revoke a certificate at any time for failure of the person named on the certificate to meet the requirements of this section.

HEATING, VENTILATION,  
AIR-COND



STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD  
2601 BLAIR STONE ROAD  
TALLAHASSEE FL 32399-0783

(850) 487-1395

CARPENTER, KEVIN W  
CARPENTER'S COOLING LLC  
4625 LONGWORTH DR  
ORLANDO FL 32812

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto [www.myfloridalicense.com](http://www.myfloridalicense.com). There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND  
PROFESSIONAL REGULATION

CAC1818573 ISSUED: 09/01/2016

CERTIFIED AIR COND CONTR  
CARPENTER, KEVIN W  
CARPENTER'S COOLING LLC

IS CERTIFIED under the provisions of Ch.489 FS.  
Expiration date : AUG 31, 2018 L1609010001775

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD

<b>LICENSE NUMBER</b>	
CAC1818573	

The CLASS B AIR CONDITIONING CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2018



CARPENTER, KEVIN W  
CARPENTER'S COOLING LLC  
4625 LONGWORTH DR  
ORLANDO FL 32812



ISSUED: 09/01/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1609010001775



**Orange County Tax Collector Scott Randolph**  
Independently elected to serve only you.

[Pay Online >](#) [Make An Appointment >](#) [Tag Express! >](#)

[ABOUT](#) [LOCATIONS](#) [DRIVER LICENSES](#) [TAG & TITLE](#) [PROPERTY TAX](#) [BUSINESS TAX](#) [CAREERS](#) [OTHER](#) [CONTACT](#)

**Important Notice:** Effective February 1, 2015: The Orange County Tax Collector's office will begin serving only Orange County residents due to volume and budgetary constraints. Please refer to your county's Tax Collector for locations.



**Search Business Taxes**

[Search Again](#)

Business Tax Receipt ID: 1165352

Location Address:	4625 LONGWORTH DR	Mailing Address:	CARPENTERS COOLING LLC
Business:	LONGWORTH		4625 LONGWORTH DR
New Business Date:	03/30/2016		ORLANDO, FL 32812
Application Date:	03/30/2016		
Out of Business Date:			

2016	Account Number: 5000-1165352						
Category Type	Display Name	Units	Tax	Exempt	Total Fees	Total Paid	Total Amt Due
5000	BUSINESS OFFICE	1	\$30.00	\$0.00	\$0.00	\$30.00	\$0.00
1804	CERT A/C CONTRACTOR	1	\$30.00	\$0.00	\$0.00	\$30.00	\$0.00
Total For 2016:			\$60.00	\$0.00	\$0.00	\$60.00	\$0.00

This Business Tax Receipt ID has been paid in full



Mailing Address:  
ORANGE COUNTY TAX COLLECTOR  
P.O. Box 545100  
Orlando FL 32854

CONTACT:  
Motorist Services: 407-845-6200  
Property Tax: 407-836-2700  
Business Tax: 407-836-5650  
Administrative: 407-836-2705

[OFFICE LOCATIONS](#)  
[CONTACT US](#)  
[PRIVACY](#)

[About](#) | [Locations](#) | [Driver Licenses](#) | [Tag & Title](#) | [Property Tax](#) | [Business Tax](#) | [Careers](#) | [Other](#) | [Contact](#)

[Sign In](#)

# Scott Randolph, Tax Collector

# Local Business Tax Receipt

# Orange County, Florida

This local business tax receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and safety authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

5000 BUSINESS OFFICE	2016	\$30.00	1	EXPIRES	9/30/2017	5000-1165352
				EMPLOYEE	1804 CERT A/C CONTRACTOR	\$30.00 1 EMPLOYEE

TOTAL TAX \$60.00  
 PREVIOUSLY PAID \$60.00  
 TOTAL DUE \$0.00

CARPENTER KEVIN W

CARPENTERS COOLING LLC  
 4625 LONGWORTH DR  
 ORLANDO FL 32812

4625 LONGWORTH DR (MOBILE)  
 U - ORLANDO, 32812

PAID: \$60.00 0098-00755316 9/19/2016

# Scott Randolph, Tax Collector

# Local Business Tax Receipt

# Orange County, Florida

This local business tax receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and safety authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

5000 BUSINESS OFFICE	2016	\$30.00	1	EXPIRES	9/30/2017	5000-1165352
				EMPLOYEE	1804 CERT A/C CONTRACTOR	\$30.00 1 EMPLOYEE

TOTAL TAX \$60.00  
 PREVIOUSLY PAID \$60.00  
 TOTAL DUE \$0.00



CARPENTER KEVIN W

CARPENTERS COOLING LLC  
 4625 LONGWORTH DR  
 ORLANDO FL 32812

4625 LONGWORTH DR (MOBILE)  
 U - ORLANDO, 32812

PAID: \$60.00 0098-00755316 9/19/2016

This receipt is official when validated by the Tax Collector.